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	<u> </u>			U.S. PATENT DOCUMENTS				0 57165-()}`PETITIO N
	AMINER VITIAL	DOCUMENT NO.	DATE .	NAME	CLASS	SUBCLA	ss	FILING IF APPRO	
P		5,825,879	10/20/1998	Davis	380	5 ~	25	SWED	
9	<u>L</u>	5,883,957	3/16/1999	Moline et al.	380	4	1EO	CLAFO	
Nº		5,953,005	09/14/1999	Liu	345	302	MAR	2 7 2002	
TOK)		FO	REIGN PATENT DOCUMEN	TS	Toc	inni)	ii canier 2	100
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLA	illanoi Sonoi	TRANSI	ATION
	9.							YES	NO
1		EP 1 041 823 A2	03/31/1999	Japan	H04N 7	167			
•	U	ОТН	ER DOCUMENT	S (Including Author, Title, Date	, Pertinent Pag	es, Etc.)			
RX	5/20/1991			of Computer Viruses, Kephart a mia, May 20-22, 1991, pp. 343-		IEEE Compu	iter Soci	ety Symposium	on Research
	5/1993	Computers and Epidem	iology, Kephart, (Chess, and White, IEEE Spectrum	m, May, 1993,	15 pages.			
	1994	A Biologically Inspired 10.	Immune System	for Computers, Kephart, Artifici	al Life IV, R. B	rooks and P. N	Maes, ed	s., 1994, MIT I	Press, pp. 1-
	1994	Self-Nonself Discrimina	ation in a Compu	ter, 1994 IEEE Symposium on R	esearch in Secu	rity and Priva	су, 11 р	ages.	
	1996	An Immunological App Privacy, 10 pages.	roach to Change	Detection: Algorithms, Analysis	and Implication	ns, 1996 IEEE	Sympos	sium on Securit	ry and
	1996	A Sense of Self for Unix		st, Hofmeyr, Somayaji, and Lon 20-128.	gstaff, 1996 Sy	mposium on S	ecurity	and Privacy, Lo	os Alamitos,
	After 1997	Lightweight Intrusion D	etection for Netw	orked Operating Systems, Hofm	eyr, Forrest and	d Somayaji, pp	o. 1 -3 1.		
	1997	Principles of a Compute 1997, pp. 75-82.	r Immune System	n, Somayaji, Hofmeyr and Forres	st, New Security	y Paradigms W	/orkshop	o, Langdale, Cu	ımbria, UK,
	8/30/1997 (draft)	A Distributed Approach	to Anomaly Det	ection, D'haeseleer, Forrest, and	Helman, Draft,	August 30, 19	997, pp.	1-30.	
	10/1/1997	Blueprint for a Compute Francisco, California, O		n, Kephart, Sorkin, Swimmer and 19 pages.	d White, Virus	Bulletin Intern	ational	Conference in !	San
	1999	Architecture for an Artif Technology, 31 pages.	ficial Immune Sy:	stem, Hofmeyr and Forrest, Evol	utionary Comp	utation 7(1):4:	5-68, M	assachusetts Ins	stitute of
	1999	Immunity by Design: A Morgan-Kaufmann, San	n Artificial Immu Francisco, CA, I	ne System, <i>Proceedings of the</i> (Hofmeyr and Forrest, pp. 1289-1	Genetic and Ev 296 (1999).	olutionary Co	mputatio	on Conference	(GECCO),
Ala	5/9/1999	Detecting Intrusions Usi Security and Privacy, N	ing System Calls: 1ay 9-12, 1999, 1	Alternative Data Models, Warro 3 pages.	ender, Forrest,	and Pearlmutte	er, 1999	IEEE Symposi	um on
AR	After 2001	A New Approach for Int	rusion Detection,	Dasgupta and Gonzalez, pp. 1-1	12.		Ī		ON OUR THIN LIGHT
199°	À					1		235	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

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1				U.S. PA	TENT DOCUMENTS		1
Examin		Q:1-	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where	1
Initials	1	Cite No. ¹	Number-Kind Code ² (#known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear	
100	2	1	US-5,144,663-B1	09-01-1992	Kudelski et al.].
		2	US-5,539,450-B1	07-23-1996	Kudelski et al.		
		3	US-5,592,212-B1	01-07-1997	Handelman		
		4	US-5,666,412-B1	09-09-1997	Handelman et al.		
		5	US-5,774,546-B1	06-30-1998	Handelman et al.		}
		6	US-5,805,705-B1	09-08-1998	Gray et al.		}
		7	US-5,892,900-B1	04-06-1999	Ginter et al.		
		8	US-5,917,912-B1	06-29-1999	Ginter et al		
		9 .	US-5,920,861-B1	07-06-1999	Hall et al.]
		10	US-5,933,498-B1	08-03-1999	Schneck et al		
		11	US-5,949,876-B1	09-07-1999	Ginter et al.]
		12	US-6,009,401-B1		Horstmann]
		13	US-6,021,197-B1		von Willich et al.]
		14	US-6,049,671-B1		Slivka et al.]
		15	US-6,073,256-B1	06-06-2000	Sesma] .
		16	US-6,157,721-B1	12-05-2000	Shear et al.	RECEI	\r_n
		17	US-6,185,683-B1	02-06-2001	Ginter et al.	, LEOE!	VED
		18	US-6,247,950-B1	06-19-2001	Hallam et al.		1
		19	US-6,256,668-B1	07-03-2001	Slivka et al.	AUG 0 4	2004
		20	US-6,285,985-B1	09-04-2001	Horstmann		
\Box		21	US-6,314,409-B2	11-06-2001	Schneck et al.	Technology Cer	ter 210
		22	US-6,389,402-B1	05-14-2002	Ginter et al.	37 001	101 S10
\Box		23	US-6,405,369-B1	06-11-2002	Tsuria		1
		24	US-6,466,670-B1	10-15-2002	Tsuria et al.]
		25	US-6,587,561-B1	07-01-2003	Sered et al.		1
		26	US-6,634,028-B2	10-14-2003	Handelmann		1
		27	US-6,654,420-B1	11-25-2003	Snook		1
		28	US-4,694,489-B1	09-15-1987	Frederiksen		1
		29	US-5,684,876-B1	11-04-1997	Pinder, et al.		1
		30	US-5,878,134-B1	03-02-1999	Handelman, et al.		1
\Box		31	US-6,035,037-B1	03-07-2000	Chaney	·	1
		32	US-6,226,794-B1	05-01-2001	Anderson Jr., et al.]
		33	US-6,449,719-B1	09-10-2002	Baker		1
		34	US-2003/0007568-A1	01-09-2003	Hamery, et al.]
		35	US-6,658,568-B1		Ginter et al.]
		36	US-6,618,484-B1	09-09-2003	Van Wie et al.		1
		37	US-6,427,140-B1	07-30-2002	Ginter et al.]
		38	US-6,292,569-B1	09-18-2001	Shear et al.]
		39	US-6,237,786-B1	05-29-2001	Ginter et al.		1
		40	US-5,943,422-B1	08-24-1999	Van Wie et al.]
		41	US-5,910,987-B1	06-08-1999	Ginter et al.]
		42	US-5,922,208-B1	07-13-1999	Demmers		1
		43	US-6,138,119-B1	10-24-2000	Hall et al.		1
		44	US-6,240,185-B1	05-29-2001	Van Wie et al.		1
14	2	45	US-6,363,488-B1	03-26-2002	Ginter et al.		1
Alk	4	46	US-6,449,367-B1	09-10-2002	Van Wie et al.		1

Date Considered

PTO/SB/08a/b (08-03) Approved for use through 07/31/2006. ONB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449A/B/PTO **Application Number** 10/020.524 INFORMATION DISCLOSURE Filing Date December 14, 2001 STATEMENT BY APPLICANT First Named Inventor Katharina V. Koelle Art Unit N/A (Use as many sheets as necessary) Examiner Name Not Yet Assigned 2 3 08223/100S052-US1 of Sheet Attorney Docket Number 47 US-6,640,304-B1 10-28-2003 | Ginter et al. 12-23-2003 | Collberg et al. 48 US-6,668,325-B1 49 US-6,459,427-B1 10-01-2002 Mao, et al. 50 US-6,314,572-B1 11-06-2001 LaRocca, et al. US-6,191,782-B1 51 02-20-2001 Mori, et al. 52 US-6,009,116-B1 12-28-1999 Bednarek, et al. US-5,758,257-B1 53 05-26-1998 | Herz, et al. 54 US-5,621,799-B1 04-15-1997 | Katta, et al. 11-25-2003 Jeong et al. 55 US-6,654,423-B2 56 US-6,651,170-B1 11-18-2003 Rix US-6,629,243-B1 09-30-2003 | Kleinman et al. 57 58 US-6,505,299-B1 01-07-2003 | Zeng et al. 06-25-2002 Eskicioglu 59 US-6,409,089-B1 US-6,409,080-B2 06-25-2002 Kawagishi 60 61 US-6,334,213-B1 12-25-2001 Li 62 US-6,298,441-B1 10-02-2001 Handelmann et al. 63 US-6,272,636-B1 |08-07-2001 |Neville et al. 64 06-26-2001 Ginter et al. US-6,253,193-B1 65 US-6,189,097-B1 02-13-2001 Tycksen, Jr. et al. US-6,178,242-B1 01-23-2001 Tsuria 66 67 US-6,112,181-B1 08-29-2000 | Shear et al. US-6,055,503-B1 04-25-2000 Horstmann 68 03-14-2000 Vegt 69 US-6,038,433-B1 US-6,009,525-B1 12-28-1999 Horstmann 71 US-5,982,891-B1 11-09-1999 Ginter et al. 08-17-1999 | Tsuria et al. 72 US-5,939,975-B1 73 US-5,923,666-B1 07-13-1999 Gledhill et al US-5,920,625-B1 07-06-1999 Davies 74 75 US-5,915,019-B1 06-22-1999 | Ginter et al 76 US-5,883,957-B1 03-16-1999 | Moline et al. 08-25-1998 Kuhn et al. 77 US-5,799,089-B1 78 US-5,774,527-B1 06-30-1998 Handelman et al. 79 US-5,640,546-B1 06-17-1997 | Gopinath et al. US-5,590,200-B1 12-31-1996 | Nachman et al. 80 12-20-1994 Kudelski 81 US-5,375,168-B1 82 US-5,134,656-B1 07-28-1992 Kudelski US-5,067,035-B1 11-19-1991 Kudelski et al. 83 FOREIGN PATENT DOCUMENTS

Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines,	
	No.1	Country Code ³ -Number ⁴ -Kind Code ⁸ (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
110	84	WO-WO 99/30499-A1	06-17-1999	Thomson Consumer Electronics, Inc.		
	85	EP-EP714204-B1	05-29-1996	LG Electronics, Inc.		
	86	WO-WO96/32702-A1	10-17-1996	Smart TV Co.		
	87	WO-WO99/54453-A1	10-28-1999	Henriksen, et al.		Г
	88	WO-WO96/06504-A1	02-29-1996	Chaney, et al.		\vdash
11	89	EP-EP658054-B1	06-14-1995	News Datacom Ltd.		
	90	WO-WO 01/35571-A1	05-17-2001	Widevine Technologies, Inc.		

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PTO/SB/08a/b (08-03)
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Complete If Known Substitute for form 1449A/B/PTO Application Number 10/020,524 INFORMATION DISCLOSURE Filing Date December 14, 2001 STATEMENT BY APPLICANT First Named Inventor Katharina V. Koelle Art Unit N/A (Use as many sheets as necessary) Ceptor P Not Yet Assigned Examiner Name Sheet 3 3 08223/100S052-US1 of Attorney Docket Number

WO-WO 02/21761-A2 03-14-2002 | Widevine Technologies, Inc.

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				NON PATENT LITERATURE DOCUMENTS	
Exar Iniția	niner	Cite No.1		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
4)	V	92		http://www.ntt.co.jp/news/news02e/0209/020927.html, September 27, 2002.	П
1	•	93		Coverage and Generalization in an Artificial Immune System, Balthrop, et al., 2002.	Г
		94		Video Protection by Partial Content Corruption, C. Griwodz, September 1998.	Т
		95		An Overview of Multimedia Content Protection in Consumer Electronics Devices, Eskicioglu et al.,	
		96	•	Performance Study of a Selective Encryption Scheme for the Security of Networked, Real- Time Video, Spanos et al., 1995.	Γ
		97	٠	Goonatilake, Suran, ed. et al., Intelligent Systems for Finance and Business, 1995, chapters 2- 10, pp. 31-173.	Γ
		98	١	Irdeto Access and Optibase create Strategic Alliance - 14 December 2000, http://www.irdetoaccess.com/press/000041.htm	
		99	•	System Security, Streaming Media, S. Blumenfeld, October 2001.	t
\neg		100	•	http://www.cs.unm.edu/~forest/projects.html, December 2, 2003.	✝
7		101	•	Partial Encryption for Image and Video Communication, H. Cheng, 1998.	T
Т		102	4	A Review of Video Streaming Over the Internet, Hunter et al., December 2, 2003.	T
Т	•	103	ı	Standards Track, Schulzrinne, et al., April 1998, pages 1-86.	Τ
		104	•	http://www.optibase.com/html/news/December_14_2000.html, December 14, 2004.	Γ
I,		105	•	Omneon Video Networks Product Announcement, Broadband Streaming, pages 1-4.	T
	8	106		Yoshida, Kazuhiro, et al., "A Continuous-media Communication Method for Minimizing Playback Interruptions", IS&T/SPIE Conference on Visual Communications and Immage Processing, January 1999, San Jose, California, Vol. 3653.	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

'Applicant's unique citation designation number (optional). 'Applicant is to place a check mark here if English language Translation is attached.

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